

ABSTRACT OF THE DISCLOSURE

Pilot Director Lights (PDLs) mounted on the exterior of a refueling tanker aircraft (10) utilize light emitting diodes (LEDs) (213) as a light source to provide visual information to the pilot of an approaching aircraft (30). The PDLs may include a plurality of light emitting devices (200) arranged in arrays (123 and 124), each light emitting device (200) being configured to illuminate a particular symbol/pattern. Each light emitting device (200) may include a plurality of modular banks (210) of LEDs (213), which are configured to emit light through a clear lens (230) within a particular field of view. The PDL arrays (123 and 124) may provide visual feedback regarding the elevational and fore-aft position of the approaching aircraft (30) relative to the boom envelope (14) of the tanker aircraft (10).